

Practitioner's Docket No. 013743.0104PTUS

CHAPTER II**Preliminary Classification:**

Proposed Class:	Unknown
Subclass:	Unknown

**TRANSMITTAL LETTER
TO THE UNITED STATES ELECTED OFFICE (EO/US)**

(ENTRY INTO U.S. NATIONAL PHASE UNDER CHAPTER II)

PCT/US2003/013125	28 April 2003	27 April 2002
International Application Number	International Filing Date	International Earliest Priority Date

TITLE OF INVENTION: **Nanocomposite Ceramics Of Oxide And Non-Oxide Phases And Methods For Producing Same**

APPLICANTS: Rishi Raj, Atanu Saha, Sandeep Shah

**Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
ATTENTION:EO/US**

1. Applicant herewith submits to the United States Elected Office (EO/US) the following items under 35 U.S.C. Section 371:

- a. This express request to immediately begin national examination procedures (35 U.S.C. Section 371(f)).
- b. The U.S. National Fee (35 U.S.C. Section 371(c)(1)) and other fees (37 C.F.R. Section 1.492) as indicated below:

CERTIFICATION UNDER 37 C.F.R. SECTION 1.10*

(Express Mail label number is mandatory.)
(Express Mail certification is optional.)

I hereby certify that this paper, along with any document referred to, is being deposited with the United States Postal Service on this date October 14, 2004 in an envelope as "Express Mail Post Office to Addressee," mailing Label Number EV389084492US, addressed to Mail Stop PCT, Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450, ATTENTION: EO/US.

Elaine C. VonSpreckelsen
(type or print name of person mailing paper)

Elaine C. VonSpreckelsen
Signature of person mailing paper

10/511464

DT05 Rec'd PCT/PTO 14 OCT 2004

2. Fees

CLAIMS FEE*	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
	TOTAL CLAIMS	45 -20 =	25	x \$18.00 =	\$450.00
	INDEPENDENT CLAIMS	6 - 3 =	3	x \$88.00 =	\$264.00
	MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$280.00				
	U.S. PTO WAS NOT INTERNATIONAL PRELIMINARY EXAMINATION AUTHORITY Where no international preliminary examination fee as set forth in Section 1.482 has been paid to the U.S. PTO, and payment of an international search fee as set forth in Section 1.445(a)(2) to the U.S. PTO: where a search report on the international application has been prepared by the European Patent Office or the Japanese Patent Office (37 C.F.R. Section 1.492(a)(5)) \$920.00				
BASIC FEE	Total of above Calculations				
SMALL ENTITY	Reduction by 1/2 for filing by small entity, if applicable				
	Subtotal				
	Total National Fee				
	Fee for recording the enclosed assignment document \$40.00 (37 C.F.R. Section 1.21(h)). See attached "ASSIGNMENT COVER SHEET".				
TOTAL	Total Fees enclosed				

Please charge Account No. 50-1848 in the amount of \$952.00.

3. A Combined Declaration And Power Of Attorney signed by the Inventors is enclosed.
4. A Recordation Cover Sheet (Form PTO-1595) and PCT Assignment by the Inventors are transmitted herewith.
- II. Other document(s) or information included:
5. A full International Search Report (PCT/ISA/220) or Declaration under PCT Article 17(2)(a) has not yet been received. However, an Invitation to Pay Additional Fees Form PTO/ISA/206, including a partial search report, is transmitted herewith.
6. An Information Disclosure Statement (Form PTO/SB/08B) under 37 C.F.R. Sections 1.97 and 1.98 is transmitted herewith.

7. Additional documents:
 - a. International Publication No. WO 2003/093193 A2, including specification, claims, and drawings
 - b. Preliminary Amendment
 - c. Application Data Sheet
 - d. Fee Transmittal
 - e. Express Mail Certificate
 - f. Return receipt postcard
8. The above items are being transmitted before 30 months from any claimed priority date.

No international examination report (PCT/IPEA/409) has yet been transmitted, but will be forwarded when received.

AUTHORIZATION TO CHARGE ADDITIONAL FEES

The Commissioner is hereby authorized to charge the following additional fees that may be required by this paper and during the entire pendency of this application to Account No. 50-1848.

37 C.F.R. Section 1.492(a)(1), (2), (3), and (4) (filing fees)
37 C.F.R. Section 1.492(b), (c), and (d) (presentation of extra claims)
37 C.F.R. Section 1.17 (application processing fees)
37 C.F.R. Section 1.17(a)(1)-(5) (extension fees pursuant to Section 1.136(a))
37 C.F.R. Section 1.492(e) and (f) (surcharge fees for filing the declaration and/or filing an English translation of an International Application later than 20 months after the priority date).

Date: 10/14/04

Reg. No.: 28,494
Tel. No.: 303-894-6114
Fax No.: 303-894-9239



Signature of Practitioner
Carl A. Forest
Customer No.: 24283

10/511464

DT05 Rec'd PCT/PTO 14 OCT 2004

Certificate of Mailing under 37 CFR 1.10

Application Number	Applied For
Filing Date	Herewith
First Named Inventor	Rishi Raj
Examiner Name	Unknown
Attorney Docket Number	013743.0104PTUS

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage in an Express Mail envelope bearing label number: EV389084492US addressed to:

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 Commissioner For Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Attention: EO/US

On October 14, 2004.
 (Date)

Elaine C. VonSpreckelsen

Signature

Elaine C. VonSpreckelsen

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Documents submitted with this Certificate of Mailing if more than one:

1.	Transmittal Letter To The United States Elected Office (3 pages)
2.	Fee Transmittal Form PTO/SB/17 (2 for a total of 2 pages)
3.	Preliminary Amendment (8 pages)
4.	Copy of International Publication No. WO 03/093193 A2, including specification, claims, and drawings (22 pages)
5.	Combined Declaration And Power Of Attorney (2 pages)
6.	Application Data Sheet (4 pages)
7.	Recordation Form Cover Sheet Form PTO-1595 (1 page)
8.	PCT Assignment (3 pages)
9.	Copy of Invitation To Pay Additional Fees Form PCT/ISA/206, including partial search report (6 pages)
10.	Information Disclosure Statement Form PTO/SB/08b (1 page)
11.	Copies of IDS References (3 Other)
12.	Return Receipt Postcard

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 952)

DT05 Read PTO/14 OCT 2004

Application Number	Applied For
Filing Date	Herewith
First Named Inventor	Rishi Raj
Examiner Name	Unknown
Art Unit	Unknown
Attorney Docket No.	013743.0104PTUS

METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)																																																																																																																																																			
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Order <input checked="" type="checkbox"/> Deposit Account: Deposit Account Number 50-1848 Deposit Account Name Patton Boggs LLP				3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>Fee Code</td><td>Fee (\$)</td><td>Fee Code</td><td>Fee (\$)</td></tr> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td></tr> <tr><td>1252</td><td>430</td><td>2252</td><td>215</td></tr> <tr><td>1253</td><td>980</td><td>2253</td><td>490</td></tr> <tr><td>1254</td><td>1,530</td><td>2254</td><td>765</td></tr> <tr><td>1255</td><td>2,080</td><td>2255</td><td>1,040</td></tr> <tr><td>1401</td><td>340</td><td>2401</td><td>170</td></tr> <tr><td>1402</td><td>340</td><td>2402</td><td>170</td></tr> <tr><td>1403</td><td>300</td><td>2403</td><td>150</td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td></tr> <tr><td>1453</td><td>1,370</td><td>2453</td><td>685</td></tr> <tr><td>1501</td><td>1,370</td><td>2501</td><td>685</td></tr> <tr><td>1502</td><td>490</td><td>2502</td><td>245</td></tr> <tr><td>1503</td><td>660</td><td>2503</td><td>330</td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td></tr> <tr><td>1809</td><td>790</td><td>2809</td><td>395</td></tr> <tr><td>1810</td><td>790</td><td>2810</td><td>395</td></tr> <tr><td>1801</td><td>790</td><td>2801</td><td>395</td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td></tr> <tr><td colspan="4">Other fee (specify) (1613) National Phase Fee filing with EPO search report</td></tr> <tr><td colspan="4">*Reduced by Basic Filing Fee Paid</td></tr> <tr> <td colspan="4">SUBTOTAL (1) (\$ 0)</td> <td colspan="4">SUBTOTAL (3) (\$ 595)</td> </tr> <tr> <td colspan="8">**or number previously paid, if greater; For Reissues, see above</td> </tr> </tbody> </table>				Large Entity	Small Entity	Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	1052	50	2052	25	1053	130	1053	130	1812	2,520	1812	2,520	1804	920*	1804	920*	1805	1,840*	1805	1,840*	1251	110	2251	55	1252	430	2252	215	1253	980	2253	490	1254	1,530	2254	765	1255	2,080	2255	1,040	1401	340	2401	170	1402	340	2402	170	1403	300	2403	150	1451	1,510	1451	1,510	1452	110	2452	55	1453	1,370	2453	685	1501	1,370	2501	685	1502	490	2502	245	1503	660	2503	330	1460	130	1460	130	1807	50	1807	50	1806	180	1806	180	8021	40	8021	40	1809	790	2809	395	1810	790	2810	395	1801	790	2801	395	1802	900	1802	900	Other fee (specify) (1613) National Phase Fee filing with EPO search report				*Reduced by Basic Filing Fee Paid				SUBTOTAL (1) (\$ 0)				SUBTOTAL (3) (\$ 595)				**or number previously paid, if greater; For Reissues, see above							
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SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	Carl A. Forest	Registration No. (Attorney/Agent)	28,494	Telephone	303-894-6114
Signature				Date	October 14, 2004

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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